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MATERIAL FOR A BIBLIOGRAPHY OF

DR. EDMOND HALLEY

(1656-1752)

BY

ALEXANDER J. RUDOLPH,

Assistant Librarian of the Newberry Library, Chicago,

with some notes and addenda by

EUGENE FAIRFIELD McPIKE

Member B. S. A. and I. I. B., Brussels.

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Part I.

HALLEY, EDMUND.

——. Astronomiæ cometicæ synopsis. (Oxford, 1705.) F°.

——. A synopsis of the astronomy of comets. London, 1705. F°.

——. Catalogus Stellarum Australium, sive supplementum Catalogi Tychonici exhibens longitudines et latitudines Stellarum fixarum, quæ prope polum antarcticum sitæ, in horizonte Franiburgico Tychoni inconspicuæ fuere . . . ad annum 1677 completum correctas: cum ipsis observationibus in insula S. Helenæ . . . depromptis, etc. 2 pt. Londini, 1679. 4°.

——. Catalogue des Estoilles Australes, ou Supplement du Catalogue de Thycho, etc. Paris, 1679. 12°.

——. A plain declaration of the vulgar new heavens platform. [By E. H.] . . . (A declaration of the earthly platform.) (London?) 1679. 4°.

——. *Begin.* May it please the Kings Most Excellent Majesty. [A paper on the Tides.] (London, 1687.] F°. *Note.* A paper printed by Halley to accompany the copy of Sir Isaac Newton's Principia, presented to James II.

——. The Revolving Moons. Part 1: Where the motions in: and of: the lunar system . . . are explained. . . . Derived from . . . Mr. Flamsteed's and Dr. Halley's LUNAR OBSERVATIONS. [1700?]

——. Halleiana æquationum radices arithmetice inveniendi methodus. (*In* W., G. *Arithmetica universalis*, Cantabrigiæ, 1707, etc.)

——. A geometrical dissertation concerning the rainbow . . . by E. H. (London. ROYAL SOCIETY. *Miscellanea curiosa.* 1708. 8°.)

——. The Black Day; or, a prospect of Doomsday, exemplified in the great and terrible Eclipse which will happen on . . . the 22d of April, 1715 . . . and explaining the schemes thereof done according to . . . calculation by Mr. Halley . . . Mr. Whiston, etc. London, [1715]. 8°.

——. A new, exact, and easy method of finding the roots of any æquations generally, etc. (*In* Newton, *Sir* I. *Universal Arithmetick.* London, 1720. 8°.)

——. Herrn E. H. . . . curieuse Erzehlungen von denen Winden, etc. (*In* Drebbel, C. *C. Drebellii . . . Tractat . . . von Natur und Eigenschafft der Elementen.* Pt. 2. Leipzig, 1723. 8°.)

——. Cometographia. (*In* Gregory, D. *D. Gregorii . . Astronomiæ . . . elementa.* Genevæ, 1726. 4°.)

——. Methodus inveniendi radices æquationum sive prævia reductione.— Constructio æquationum tertiæ et quartæ potestatis ope circuli et datæ parabolæ.— Tractatulus de numero et limitibus radicum in æquationibus solidis et biquadraticis. (*In* Newton, *Sir* I. *Arithmetica universalis.* Lugduni Batavorum, 1732.)

——. Astronomical tables with precepts both in English and Latin for computing the places of the Sun, Moon, etc. [Edited by James Halley?] London, 1752.

Note. The Editor of these "Tables" was probably James Bradley, Halley's successor as Astronomer-Royal. See *Notes and queries* (London), ninth series, XI., 464.—E. F. McPike.

——. Tables astronomiques de M. H. pour les planetes et les cometes, réduites au nouveau stile et au méredien de Paris, augmentées de plusieurs tables nouvelles. . . . Par M. Delaland. (Seconde édition.) Paris, 1759. 8°.

——. Dr. Halley's first voyage: a journal of a voyage made for the discovery of the rule of the variation of the compass . . . 1699 and 1700. (*In* Dalrymple, A. *A collection of voyages.* London, 1775. 4°.)

Note. A copy of this work is in the New York Public Library. See *Notes and queries* (London), tenth series, I., 289.—E. F. McPike.

——. Tables . . . sur la mortalité dans les différens âges de la vie. (*In* Fatio, A. *Tables d' interets.* Vevey, 1778. F°.)

——. An Appendix to the tract of Dr. E. H., entitled, An easy demonstration of the analogy of the logarithmick tangents to the meridian line . . . containing the solution of a curious problem, relating to navigation, proposed by Dr. H. . . . in said tract. By F. Maseres. (*In* Maseres, F. *Scriptores logarithmici*, etc. Vol. 4. London, 1791. 4°.)

——. A discourse on compound interest.— Notes on some difficult passages of the foregoing discourse of Dr. H. . . . By F. Maseres. (*In* Maseres, F. *Scriptores logarithmici.* Vol. 5. London, 1791. 4°.)

—— An easy demonstration of the analogy of the logarithmic tangents to the meridian line, or sum of the secants, etc. (*In* Maseres, F. *Scriptores logarithmici*, etc. Vol. 2. London, 1791. 4°.)

——. A new . . . method of finding the roots of any equations generally. . . . Being number 210 of the Philosophical Transactions . . . 1694. (An Appendix to . . . Dr. Halley's tract on the resolution of Algebräick equations. . . . By F. Maseres. (*In* Maseres, F. *Tracts on the Resolution of affected algebraick equations.* London, 1800. 8°.)

——. Halley's earliest Equal Variation Chart. Reproduced in facsimile. . . . Text by L. A. Bauer (Reprinted from Terrestial Magnetism). [1895.] 8°.

Apollonius, *Pergæus.* Apollonii de sectione rationis libri duo. . . . Opera et studio, E. Halley. Oxonii, 1706. 8°.

Appollonius, *Pergaeus.* Apollonii Conicorum libri octo, etc. (Opera et Studio. E. Halley). Gr. and Lat. Oxoniæ, 1710. Fol.

The Analyst, or a discourse addressed to an infidel mathematician (Dr. Halley). By the author of the Minute Philosopher [G. Berkeley, Bishop of Cloyne]. London 1754. 8°.

——. Second edition. London, 1754.

Brokesby, F. The life of H. Dodwell. . . . . To which is added, a letter, to R. Nelson from E. Halley, containing an Abstract of Mr. Dodwell's De Cyclis. 2 vols. London, 1715. 8°.

Dodwell, H., *the Elder*. An abstract of Mr. D's book De Cyclis: by E. Halley. (*Works*. 2d. edition. London, 1723. 2 vols. 8°.)

Frezier, A. F. A voyage to the South-Sea, and along the coasts of Chili and Peru in . . . 1712, '13 & '14. (Tr. fr. the French), with 37 copper-cutts. . . . A postscript by Dr. E. Halley (in vindication of his sea-chart made to show the variations of the compass, etc.) London, 1717. 4°.

Graetzer, J. Edmund Halley und C. Neumann. (Ein Beitrag zur Geschichte der Bevölkerungs-Statistik, Beilagen.) Breslau, 1883. 8°. pp. 93.

Hellmann, G. Edmund Halley, A. von Humboldt . . . Meteorologische Karten. Berlin, 1897. 4°. (*Neudrucke von Schriften und Karten ueber Meteorologie*, etc. No. 8.)

——. Edmund Halley, W. Whiston, J. C. Wilcke, A. v. Humboldt, C. Hanstoon. Die ältesten Karten der Isogonen, Isoklinen, Isodynamen, 1701, 1721, 1768, 1804, 1825, 1826. Sieben Karten. Berlin, 1895. (*Neudrucke von Schriften und Karten*. No. 4.)

L'Isle, J. N. de. Lettres . . . sur les Tables Astronomiques de M. Halley, etc. 2 pts. Paris, 1749. 1750. 12°.

Menelaus, *of Alexandria*. Menelai Sphæricorum libri iii., quos olim, collatis MSS. Hebræis et Arabicis, typis exprimendos curavit . . . E. Halleius. Oxonii, 1758. 8°.

Mountaine, W., *and* Dobson, J. An account of the methods used to describe lines on Dr. Halley's Chart of the Terraqueous Globe. London, 1746. 4°.

Oughtred, W. Mr. Wm. Oughtred's Key to the mathematicks; newly translated (by E. Halley), from best editions with notes. London, 1694. 8°.

——. Another edition. London, 1702.

Rigaud, S. J. A defence of Halley against the charge of . . . religious infidelity. Oxford, 1844. pp. 32.

Royal Society. London. Philosophical transactions. (Begun as a periodical publication by H. Oldenburg, and continued by him to June 1677, afterwards successively edited by N. Grew, R. Plot, W. Musgrave, R. Waller, Sir H. Sloane, E. Halley, and C. Mortimer up to March, 1752, from which date the publication has been superintended by a committee of the Society.) London, 1665–1821.

Sherwin, H. Mathematical tables. . . . By Mr. Briggs Dr. Wallis, Mr. Halley, Mr. Ar. Sharp. Ed. by H. Sherwin. London, 1717. 8°.

——. Another edition. London, 1726. 8°.

——. 3d ed. revised by W. Gardiner. London, 1741. 8°.

——. Another copy with a new title-page dated 1742. 8°.

——. Fifth edition. Revised and improved by S. Clark. London, 1772. 8°.

Whiston, W., *M. A.* Sir Isaac Newton's Mathematick Philosophy more easily demonstrated; with Dr. Halley's Account of comets illustrated. London, 1716. 8°.

—— Prælectiones astronomicæ Cantabrigiæ in scholis publicis habitæ . . . Quibus accedunt Tabulæ plurimæ astronomicæ Flamstedianæ correctæ, Halleianæ, Cassinianæ, et Streetianæ. Cantabrigiæ, 1710. 8°.

——. Prælectiones physico-mathematicæ Cantabrigiæ in scholis publicis habitæ: quibus philosophia . . . . Newtoni mathematica explicatius traitur, et facilius demonstratur: Cometo-graphia etiam Halleiana commentariolo illustratur. Cantabrigiæ, 1710. 8°.

——. Another edition. Londini, 1726. 8°.

——. Astronomical lectures . . . whereunto is added a Collection of Astronomical tables . . being those of . . Dr. Halley, etc. 2d edition. London, 1728. 8°.

——. Account of a surprising meteor, Added, a vindication of his account of the late meteor, from the different account given of it, by Dr. Halley, in the Philosophical transactions, No. 360. London, 1719. 8°.

Part II.

Theory of the variation of the magnetical compass. London, 1683.

Tabulæ nautica. 1700. Fol.

Conicorum, libri iii, posteriores, ex Sermone Arabico in Latinum conversi; cum Pappi Lemmatibus, Græce et Latine. Subjicitur lib. viii. ab Halleio, restitutus. Oxford, 1700.

A general chart; shewing at one view, the variation of the compass in all those seas where English navigators were acquainted. 1701.

Miscellanea Curiosa. 1708. 3 vols. 8°. (This was published under the direction of Dr. Edmund Halley.)

Conicorum, libri iv. priores, cum Pappi Lemmatibus, et Eutocii commentariis, Græce et Latine. Oxford, 1710. Fol.

Exact and most easy tables and rules for the calculation of eclipses. To which is added, a series of observations on the planets, chiefly the moon. 1716. 4°.

Tabulæ astronomicæ; accedunt de usu tabularum præcepta. London, 1749. 4°.

Same in English. London, 1752. 4°.

Tabulæ nauticæ. Variationes magneticas, denotantes. With an account of the improvements made therein, by W. Mountaine. London, 1758. Fol.

Methodus directa et geometrica, cujus ope investigantur aphelia, eccentricitates, proportionesque orbium planetarum primariorum absque supposita æqualitate anguli motus, ad alterum ellipseos focum ab Astronomis hactenus usurpata. (Roy. Soc. of Lond. *Philos. Trans.* v. 11, 1676, p. 683; Abr. v. 2, 1809, p. 326.)

Observations made at Ballasore, in India, serving to find the longitude of that place, and rectifying very great errors in some famous modern geographers. (Royal Soc. of Lond. *Philos. Trans.* 1681, p. 124; Abr. v. 2, 1809, p. 525.)

Correction of the theory of the motion of the 4th satellite of Saturn. (Roy. Soc. of Lond. *Philos. Trans.* v. 13, 1683, p. 82; Abr. v. 2, 1809, p. 584.)

A theory of the variation of the magnetical compass. (Roy. Soc. of Lond. *Philos. Trans.* 1683, p. 624; Abr. v. 2, 1809, p. 624.)

A theory of the tides at the bar of Tonquin. (Roy. Soc. of Lond. *Philos. Trans.* v. 14, 1684, p. 681; Abr. v. 3, 1809, p. 67.)

[Visite à John Hevelius en 1679.] (Roy. Soc. of Lond. *Philos. Trans.* v. 15, 1685, p. 1162; Abr. v. 3, 1809, p. 217.)

Discourse concerning gravity, and its properties; together with the solution of a problem of great use in gunnery. (Roy. Soc. of Lond. *Philos. Trans.* v. 16, 1686, p. 3; Abr. v. 3, 1809, p. 261.)

On the height of the mercury in the barometer at different elevations above the surface of the earth; and on the rising and falling of the mercury on the change of weather. (Roy. Soc. of Lond. *Philos. Trans.* v. 16, 1686, p. 104; Abr. v. 3, 1809, p. 300.)

Historical account of the trade winds and monsoons, observable in the seas between and near the tropics; with an attempt to assign their physical cause. (Roy. Soc. of Lond. *Philos. Trans.* v. 16, 1686, p. 153; Abr. v. 3, 1809, p. 320.)

On the construction of solid problems, or of equations of the third and fourth degree, by means of only one given parabola and a circle. (Trans. fr. Lat.) (Roy. Soc. of Lond. *Philos. Trans.* v. 16, 1687, p. 335; Abr. v. 3, 1809, p. 376.)

An estimate of the quantity of vapour raised out of the sea by the warmth of the sun. (Roy. Soc. of Lond. *Philos. Trans.* v. 16, 1687, p. 366; Abr. v. 3, 1809, p. 387.)

On the numbers and limits of the roots of cubic and biquadratic equations. (Trans. fr. Lat.) (Roy. Soc. of Lond. *Philos. Trans.* v. 16, 1687, p. 387; Abr. v. 3, 1809, p. 395.)

On the circulation of the watery vapours of the sea, and the origin of springs. (Roy. Soc. of Lond. *Philos. Trans.* v. 17, 1690–91, p. 468; Abr. v. 3, 1809, p. 427.)

On the time and place of Julius Cæsar's descent upon Britain. (Roy. Soc. of Lond. *Philos. Trans.* v. 17, 1691, p. 495; Abr. v. 3, 1809, p. 438.)

De visibili conjunctione inferiorum planetarum cum sole dissertatio. (Roy. Soc. of Lond. *Philos. Trans.* v. 17, 1691, p. 511; Abr. v. 3, 1809, p. 448.)

Emendationes et notae in tria loca vitiose edita in textu vulgato Naturalis Historiae C. Plinii. Lib. 2, Cap. 13. "Defectus (Solis et Lunae) ducentis viginti duobus mensibus redire in suos orbes certum est." (Roy. Soc. of Lond. *Philos. Trans.* v. 17, 1691, p. 535.)

On the thickness of gold on gilt-wire; and the exceeding minuteness of the atoms or constituent particles of gold. (Roy. Soc. of Lond. *Philos. Trans.* v. 17, 1691, p. 540; Abr. v. 3, 1809, p. 459.)

On the several species of infinite quantity, and of the proportions they bear to one another. (Roy. Soc. of Lond. *Philos. Trans.* v. 17, 1691, p. 556; Abr. v. 3, 1809, p. 465.)

On the cause of the change in the variation of the magnetic needle; with an hypothesis of the structure of the internal parts of the earth. (Roy. Soc. of Lond. *Philos. Trans.* v. 17, 1692, p. 563; Abr. v. 3, 1809, p. 470.)

An estimate of the degrees of mortality of mankind, drawn from curious tables of the births and funerals at the city of Breslaw; with an attempt to ascertain the price of annuities on lives. (Roy. Soc. of Lond. *Philos. Trans.* v. 17, 1692–93, pp. 596, 634; Abr. v. 3, 1809, pp. 483, 510.)

On expansion and contraction of fluids by heat and cold, in order to ascertain the divisions of the thermometer, and to make that instrument, in all places, without adjusting by a standard. (Roy. Soc. of Lond. *Philos. Trans.* v. 17, 1692–93, p. 650; Abr. v. 3, 1809, p. 505.)

On the proportional heat of the sun in all latitudes, with the method of collecting the same. (Roy. Soc. of Lond. *Philos. Trans.* v. 17, 1693, p. 878; Abr. v. 3, 1809, p. 576.)

Emendationes ac notae in vetustas Albatenii observationes astronomicas, cum restitutione tabularum lunisolarium. (Roy. Soc. of Lond. *Philos. Trans.* v. 17, 1693 p. 913; Abr. v. 3, 1809, p. 586.)

An instance of the excellence of the modern algebra, in the resolution of the problem of finding the foci of optic glasses universally. (Roy. Soc. of Lond. *Philos. Trans.* v. 17, 1693, p. 960; Abr. v. 3, 1809, p. 593.)

Some queries concerning the nature of light, and diaphanous bodies. (Roy. Soc. of Lond. *Philos. Trans.* v. 17, 1693, p. 998; Abr. v. 3, 1809, p. 600.)

A new, exact, and easy method of finding the roots of any equations generally, and that without any previous reduction. (Trans. fr. Lat.) (Roy. Soc. of Lond. *Philos. Trans.* v. 18, 1694, p. 136; Abr. v. 3, 1809, p. 640.)

Account of the evaporation of water. (Roy. Soc. of Lond. *Philos. Trans.* v. 18, 1694, p. 183; Abr. v. 3, 1809, p. 658.)

A method of discovering the true moment of the sun's ingress into the tropical signs. (Roy. Soc. of Lond. *Philos. Trans.* v. 19, 1695, p. 12; Abr. v. 4, 1809, p. 5.)

A most compendious and facile method for constructing the logarithms, exemplified and demonstrated from the nature of numbers, without any regard to the hyperbola; with a speedy method for finding the number from the logarithm given. (Roy. Soc. of Lond. *Philos. Trans.* v. 19, 1695, p. 58; Abr. v. 4. 1809, p. 18.)

A proposition of general use in the art of gunnery, showing the rule of laying a mortar to pass, in order to strike any object above or below the horizon. (Roy. Soc. of Lond. *Philos. Trans.* v. 19, 1695, p. 68; Abr. v. 4, 1809, p. 27.)

A general proposition for measuring all cycloids and epicycloids, etc. (Roy. Soc. of. Lond. *Philos. Trans.* v. 19, 1695, p. 125; Abr. v. 4, 1809, p. 47.)

Some account of the ancient state of the city of Palmyra; with remarks on the inscriptions found there. (Roy. Soc. of Lond. *Philos. Trans.* v, 19, 1695, p. 160; Abr. v. 4, 1809, p. 60.)

An easy demonstration of the analogy of the logarithmi; tangents to the meridian line, or sum of the secantsc with various methods for computing the same to the utmost exactness. (Roy. Soc. of Lond. *Philos. Trans.* v. 19, 1695–96, p. 202; Abr. v. 4, 1809, p. 68.)

Part of a letter from Mr. Halley, at Chester, Oct. 26, 1696; giving an account of an animal resembling a whelp, voided per anum by a male greyhound; also of a Roman altar found there, etc. (Roy. Soc. of Lond. *Philos. Trans.* v. 19, 1696, p. 316; Abr. v. 4, 1809, p. 110.)

The true theory of the tides, extracted from that admired treatise of Isaac Newton, intitled, Philosophiae naturalis principia mathematica. (Roy. Soc. of Lond. *Philos. Trans.* v. 19, 1697, p, 445; Abr. v. 4, 1809, p. 142.)

A letter from Mr. Halley, giving an account of an extraordinary hail in [Lancashire], on the 29th of April last. (Roy. Soc. of Lond. *Philos. Trans.* v. 19, 1697, p. 570; Abr. v. 4, 1809, p. 171.)

Concerning the Torricellian experiment tried on the top of Snowdon-hill. (Roy. Soc. of Lond. *Philos. Trans.* v. 19, 1697, p. 582; Abr. v. 4, 1809, p. 174.)

Part of a letter from Mr. Halley, dated Chester, Oct. 25, 1697; giving an account of his observation there of the eclipse of the moon, Oct. 19. (Roy. Soc. of Lond. *Philos. Trans.* v. 19, 1697, p. 784; Abr. v. 4, 1809, p. 222.)

Account of an extraordinary Iris, or rainbow seen at Chester. (Roy. Soc. of Lond. *Philos. Trans.* v, 20, 1698, p. 193; Abr. v. 4, 1809, p. 277.)

Account of Dr. Robert Hood's invention of the marine barometer, with its description and use. (Roy. Soc. of Lond. *Philos. Trans.* v. 22, 1700–01, p. 791; Abr. v. 4, 1809, p. 561.)

Astronomiae cometicae synopsis. (Roy. Soc. of Lond *Philos. Trans.* v. 24, 1705, p. 1882.)

An account of several extraordinary meteors or lights in the sky. (Roy. Soc. of Lond. *Philos. Trans.* v. 29, 1714, p. 159; Abr. v. 6, 1809, p. 99.)

Some remarks on the variations of the magnetical compass, published in the Memoirs of the Royal Academy of Sciences, with regard to the general chart of those variations made by E. Halley; as also concerning the true longitude of the Magellan Straits. (Roy. Soc. of Lond. *Philos. Trans.* v. 29, 1714, p. 165; Abr. v. 6, 1809, p. 112.)

Observations on the total eclipse of the sun, 22nd April, 1715. (Roy. Soc. of Lond. *Philos. Trans.* v. 29, 1715, p. 245; Abr. v. 6, 1809, p. 155.)

On the cause of the saltness of the ocean, and several lakes that emit no rivers; with a proposal, by means thereof, to discover the age of the world. (Roy. Soc. of Lond. *Philos. Trans.* v. 29, 1715, p. 296; Abr. v. 6, 1809, p. 169.)

A short history of the several new stars that have appeared within these 150 years; with an account of the return of that in Collo Cygni, and of its continuance observed this year 1715. [*Anon.*] (Roy. Soc. of Lond. *Philos. Trans.* v, 29, 1715, p. 354; Abr. v. 6, 1809, p. 196.)

An account of several nebulæ, or lucid spots like clouds, lately discovered among the fixed stars, by help of the telescope. [*Anon.*] (Roy. Soc. of Lond. *Philos. Trans.* v. 29, 1715, p. 390; Abr. v. 6, 1809, p. 205.)

An account of the late surprising appearance of lights seen in the air. (Roy. Soc. of Lond. *Philos. Trans.* v. 29, 1716, p. 406; Abr. v. 6, 1809, p. 213.)

A description of the phenomenon of March 6th, 1716, as it was seen on the ocean, near the coast of Spain. With an account of the return of the same sort of appearance on March 31, and April 1 and 2, 1717. [*Anon.*] (Roy. Soc. of Lond. *Philos. Trans.* v. 29, 1716, p. 430; Abr. v. 6, 1809, p. 226.)

A new method of determining the parallax of the sun, or his distance from the earth. (Roy. Soc. of Lond. *Philos. Trans.* v. 29, 1716, p. 454; Abr. v. 6, 1809, p. 243.)

An account of the cause of the late remarkable appearance of the planet Venus, seen this summer, 1716, for many days together in the day-time. (Roy. Soc. of Lond. *Philos. Trans.* v. 29, 1716, p. 466; Abr. v. 6, 1809, p. 250.)

The art of living under water: or, a discourse concerning the means of furnishing air at the bottom of the sea, at any ordinary depths. (Roy. Soc. of Lond. *Philos. Trans.* v. 29, 1716, p. 492; v. 31, 1721, p. 177; Abr. v. 6, 1809, pp. 258, 521.)

On the advantages that may accrue from the observation of the moon's frequent appulses to the Hyades. Or, on the usefulness of observing the occultations of the fixed stars, by the moon, for finding the longitude. [*Anon.*] (Roy. Soc. of Lond. *Philos. Trans.* v. 30, 1717, p. 692; Abr. v. 6, 1809, p. 308.)

An account of a small telescopical comet, seen at London the 10th of June, 1717. (Roy. Soc. of Lond. *Philos. Trans.* v. 30, 1717, p. 721; Abr. v. 6, 1809, p. 322.)

Considerations on the change of the latitudes of some of the principal fixed stars. (Roy. Soc. of Lond. *Philos. Trans.* v. 30, 1717, p. 736; Abr. v. 6, 1809, p. 329.)

An account of the extraordinary meteor seen all over England, on the 19th of March, 1718. (Roy. Soc. of Lond. *Philos. Trans.* v. 30, 1719, p. 978; Abr. v. 6, 1809, p. 406.)

An observation of the end of the total Lunar eclipse, on the 5th of March, 1718, taken near the Cape of Good Hope; serving to determine its longitude. (Roy. Soc. of Lond. *Philos. Trans.* v. 30, 1719, p. 992; Abr. v. 6, 1809, p. 414.)

An account of the phænomena of a very extraordinary Aurora Borealis, seen at London on Nov. 10, 1719, both morning and evening. (Roy. Soc. of Lond. *Philos. Trans.* v. 30, 1719, p. 1099; Abr. v. 6, 1809, p. 441.)

Some remarks on a late Essay of Mr. Cassini, wherein he proposes to find, by observation, the parallax and magnitude of Sirius. (Roy. Soc. of Lond. *Philos. Trans.* v. 31, 1720, p. 1; Abr. v. 6, p. 443.)

Of the infinity of the sphere of fixed stars. (Roy. Soc. of Lond. *Philos. Trans.* v. 31, 1720, p. 22; Abr. v. 6, 1809, p. 456.)

Of the number, order, and light of the fixed stars. (Roy. Soc. of Lond. *Philos. Trans.* v. 31, 1720, p. 24; Abr. v. 6, 1809, p. 457.)

Some remarks on the method of observing the differences of right ascension and declination by cross hairs in a telescope. (Roy. Soc. of Lond. *Philos. Trans.* v. 31, 1720, p. 113; Abr. v. 6, 1809, p. 494.)

A proposal for measuring the height of places, by Mr. Patrick's barometer, in which the scale is greatly enlarged. (Roy. Soc. of Lond. *Philos. Trans.* v. 31, 1720, p. 116; Abr. v. 6, 1809, p. 496.)

Some remarks on the allowances to be made in astronomical observations, for the refraction of the air, with a table. (Roy. Soc. of Lond. *Philos. Trans.* v. 31, 1721, p. 169; Abr. v. 6, 1809, p. 517.)

Variation of the magnetical compass, observed by Capt. Rogers in the Pacific Ocean, with some remarks on the same. (Roy. Soc. of Lond. *Philos. Trans.* v. 31, 1721, p. 173; Abr. v. 6, 1809, p. 519.)

On the method of determining the places of the planets, by observing their near appulses to the fixed stars. (Roy. Soc. of Lond. *Philos. Trans.* v. 31, 1721, p. 209; Abr. v. 6, 1809, p. 530.)

Observation of a parhelion, October 26, 1721. (Roy. Soc. of Lond. *Philos. Trans.* v. 31, 1721, p. 211; Abr. v. 6, 1809, p. 531.)

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